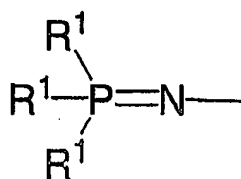


**IN THE CLAIMS**

This listing of claims replaces all prior versions, and listings, in this application.

1. (Canceled)

2. (Withdrawn/previously amended) Process according to of claim 11, wherein the catalyst used contains a phosphinimine ligand which is covalently bonded to the metal, defined by the formula:



Form. VII

wherein each R<sup>1</sup> is independently selected from the group consisting of a hydrogen atom, a halogen atom, C<sub>1-20</sub> hydrocarbyl radicals which are unsubstituted by or further substituted by a halogen atom, a C<sub>1-8</sub> alkoxy radical, a C<sub>6-10</sub> aryl or aryloxy radical, an amido radical, a silyl radical of the formula III and a germanyl radical of the formula IV.

3. (Withdrawn/original) Process according to claim 2, wherein the catalyst comprises as phosphinimine ligand tri-(tertiary butyl) phosphinimine.

4. (Previously Presented) Process according to claim 11, wherein the alumoxane used is of the formula: (R<sup>4</sup>)<sub>2</sub>AlO(R<sup>4</sup>AlO)<sub>m</sub>Al(R<sup>4</sup>)<sub>2</sub> wherein each R<sup>4</sup> is independently selected from the group consisting of C<sub>1-20</sub> hydrocarbyl radicals and m is from 0 to 50.

Claims 5.-10 (Canceled)

11. (Previously Presented) Process for the preparation of a polymer comprising monomeric units of ethylene,

an  $\alpha$ -olefin and

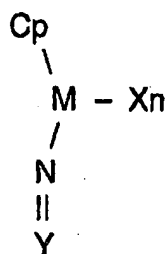
a vinyl norbornene ,

applying as a catalyst system:

a. a ~~bridged or an unbridged~~ group 4 metal containing an ~~unbridged~~ catalyst having a single cyclopentadienyl ligand and a mono substituted nitrogen ligand, wherein said catalyst is defined by the formula I:

b. an aluminoxane activating compound,

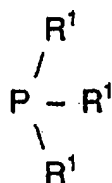
c. 0 - 0.20 mol per mol of the catalyst of a further activating compound,



Form. I.

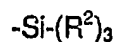
wherein Y is selected from the group consisting of:

ai) a phosphorus substituent defined by the formula:



Form. II.

wherein each  $\text{R}^1$  is independently selected from the group consisting of a hydrogen atom, a halogen atom  $\text{C}_{1-20}$  hydrocarbyl radicals which are unsubstituted by or further substituted by a halogen atom, a  $\text{C}_{1-8}$  alkoxy radical, a  $\text{C}_{6-10}$  aryl or aryloxy radical, an amido radical, a silyl radical of the formula:



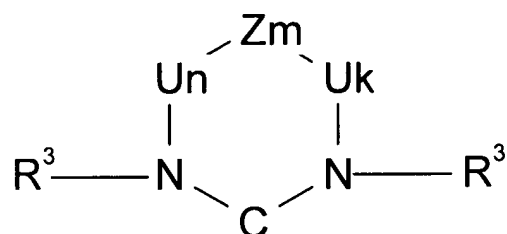
Form. III.

wherein each  $R^2$  is independently selected from the group consisting of hydrogen, a  $C_{1-8}$  alkyl or alkoxy radical,  $C_{6-10}$  aryl or aryloxy radicals, and a germanyl radical of the formula:



wherein  $R^{2i}$  is independently selected from the group consisting of hydrogen, a  $C_{1-8}$  alkyl or alkoxy radical,  $C_{6-10}$  aryl or aryloxy radicals,

a ii) a substituent defined by the formula:



Form. V.

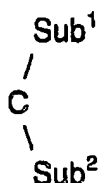
wherein each of U is  $C R^3 R^3$ ,  $C=C R^3 R^3$ ,  $C=N R^3$ ,  $SiRR$ ,  $C=O$ ,  $N R^3$ ,  $P R^3$ , O or S,

Z is  $-A=A$ , and each A is  $C R^3$ , N or P,

each  $R^3$  is independently selected from the group of hydrogen, hydrocarbyl radical, silyl radical according to form. III or germanyl radical according to form. IV,

k, m and n have independently the value 0, 1, 2 or 3, provided that  $k + m + n > 0$  and

a iii) a substituent defined by the formula:



Form. VI.

wherein each of Sub<sup>1</sup> and Sub<sup>2</sup> is independently selected from the group consisting of hydrocarbyls having from 1 to 20 carbon atoms, silyl groups, amido groups and phosphido groups;

Cp is a ligand selected from the group consisting of cyclopentadienyl, substituted cyclopentadienyl, indenyl, substituted indenyl, fluorenyl and substituted fluorenyl;

X is an activatable ligand and n is 1 or 2, depending upon the valence of M and the valance of X; and

M is a group 4 metal selected from the group consisting of titanium, hafnium and zirconium.